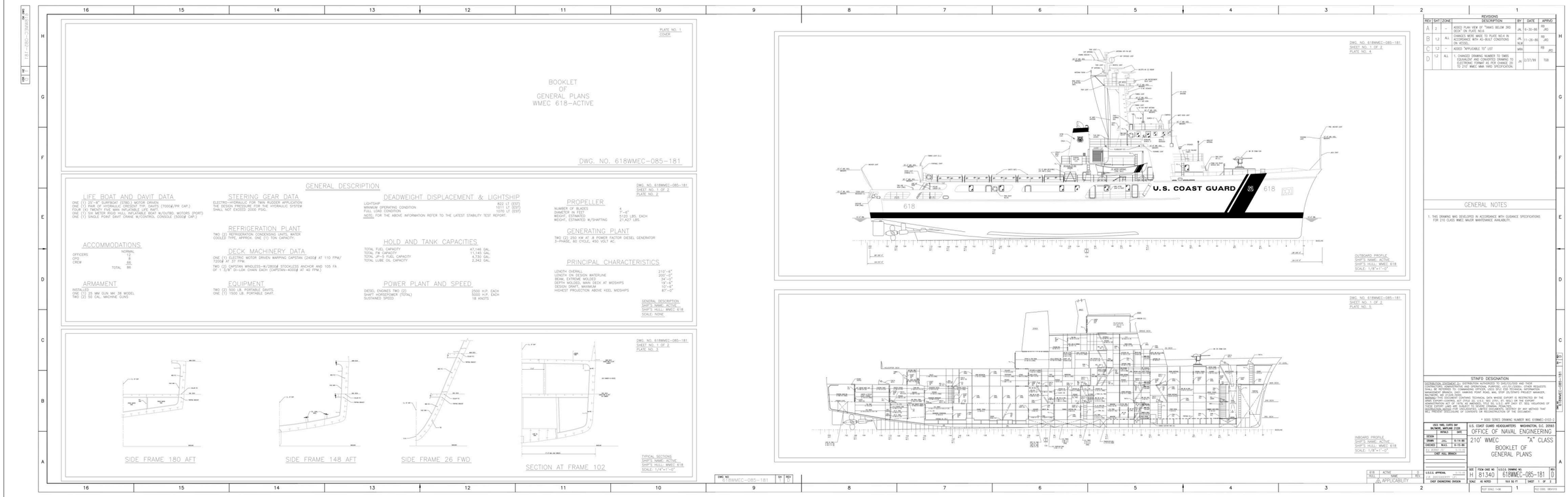
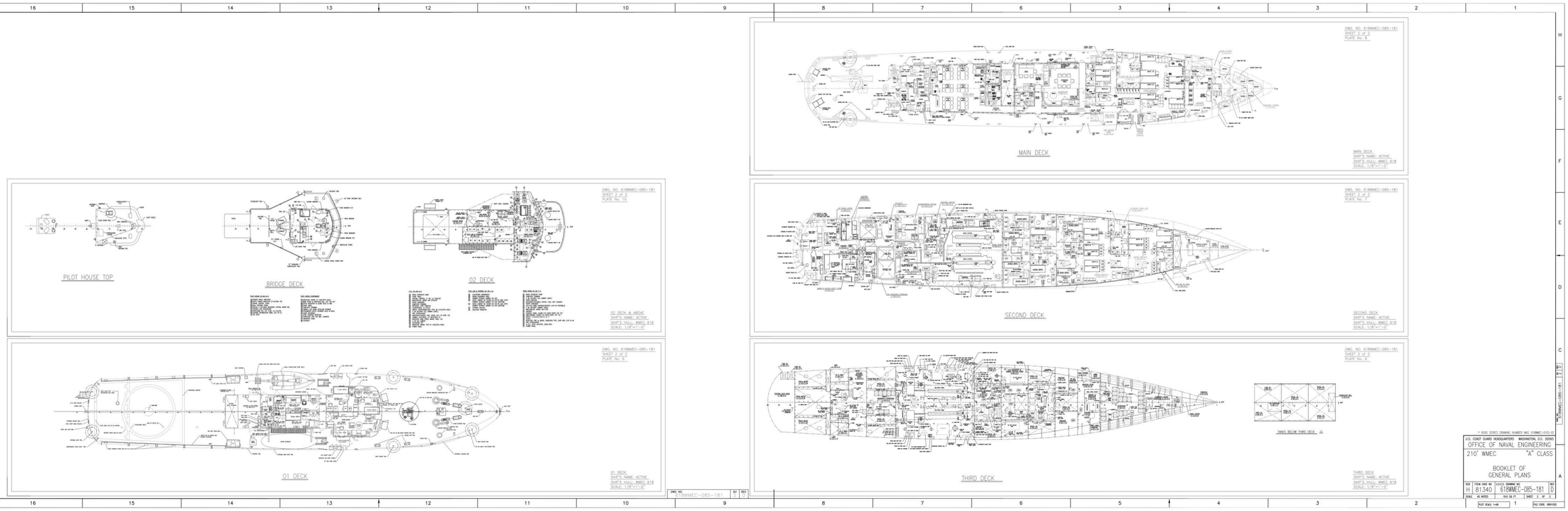
U.S. COAST GUARD
618

00 - cover photo


BOOKLET
OF
GENERAL PLANS
WMEC 618-ACTIVE
DWG. NO. 618WMEC-085-181
GENERAL DESCRIPTION
LIFE BOAT AND DAVIT DATA
ONE (1) 25'-6" DAVITBOAT (STBD.) MOTOR DRIVEN
ONE (1) PAIR OF HYDRAULIC CRESENT FOR DAVITS (7000#/PR CAP.)
FOUR (4) TWENTY FIVE MAN INFLATABLE LIFE RAFT.
ONE (1) SIX METER RIGID HULL INFLATABLE BOAT W/OUTBD. MOTORS (PORT)
ONE (1) SINGLE POINT DAVIT CRANE W/CONTROL CONSOLE (500GB CAP.)
ACCOMMODATIONS
NORMAL
OFFICERS 12
CPO 8
CREW 65
TOTAL 86
ARMAMENT
INSTALLED
ONE (1) 25 MM GUN MK 38 MODEL
TWO (2) 50 CAL. MACHINE GUNS
STEERING GEAR DATA
ELECTRO-HYDRAULIC FOR TWIN RUDDER APPLICATION
THE DESIGN PRESSURE FOR THE HYDRAULIC SYSTEM
SHALL NOT EXCEED 2000 PSIG.
REFRIGERATION PLANT
TWO (2) REFRIGERATION CONDENSING UNITS, WATER
COOLED TYPE, APPROX. ONE (1) TON CAPACITY.
DECK MACHINERY DATA
ONE (1) ELECTRIC MOTOR DRIVEN WARPING CAPSTAN (2400# AT 110 FPM/
700# AT 187 FPM
TWO (2) CAPSTAN WHOLESTS-W/2800LB STOCKLESS ANCHOR AND 105 FA
OF 1 1/8" D-LOK CHAIN EACH (CAPSTAN-800GB AT 40 FPM.)
EQUIPMENT
TWO (2) 500 LB. PORTABLE DAVITS.
ONE (1) 1500 LB. PORTABLE DAVIT.
DEADWEIGHT DISPLACEMENT & LIGHTSHIP
LIGHTSHIP 803 LT (EST)
FULL OPERATING CONDITION 1,077 LT (EST)
FULL LOAD CONDITION 1010 LT (EST)
NOTE: FOR THE ABOVE INFORMATION REFER TO THE LATEST STABILITY TEST REPORT.
HOLD AND TANK CAPACITIES
TOTAL FUEL CAPACITY 47,146 GAL.
TOTAL JP-5 FUEL CAPACITY 4,750 GAL.
TOTAL LUBE OIL CAPACITY 2,342 GAL.
POWER PLANT AND SPEED
DIESEL ENGINES TWO (2) 2500 H.P. EACH
SHAFT HORSEPOWER (TOTAL) 5000 H.P. EACH
SUSTAINED SPEED 18 KNOTS
PROPELLER
NUMBER OF BLADES 4
DIAMETER IN FEET 7'-0"
WEIGHT, ESTIMATED 5130 LBS. EACH
WEIGHT, ESTIMATED W/SHAFTING 21,427 LBS.
GENERATING PLANT
TWO (2) 250 KW AT .8 POWER FACTOR DIESEL GENERATOR
3-PHASE, 60 CYCLE, 450 VOLT AC.
PRINCIPAL CHARACTERISTICS
LENGTH OVERALL 210'-6"
LENGTH ON DESIGN WATERLINE 200'-0"
BEAM, EXTREME MOLDED 34'-0"
DEPTH MOLDED, MAIN DECK AT MIDSHIPS 19'-6"
DESIGN DRAFT, MAXIMUM 15'-6"
HIGHEST PROJECTION ABOVE KEEL MOSHIPS 87'-0"
SIDE FRAME 180 AFT
SIDE FRAME 148 AFT
SIDE FRAME 26 FWD
SECTION AT FRAME 102
U.S. COAST GUARD
618
OUTBOARD PROFILE
INBOARD PROFILE
REVISIONS
GENERAL NOTES
1. THIS DRAWING WAS DEVELOPED IN ACCORDANCE WITH GUIDANCE SPECIFICATIONS FOR 210 CLASS WMEC MAJOR MAINTENANCE AVAILABILITY.
STINFO DESIGNATION
OFFICE OF NAVAL ENGINEERING
210' WMEC "A" CLASS
BOOKLET OF GENERAL PLANS
618 ACTIVE
APPLICABILITY

01 - plate 1 - plate 5



02 - plate 6 - plate 10